

IN THE SPECIFICATION:

[0017] According to the invention the method consists of treating bacteria causing pathological dermal conditions, especially acne and fungi with a therapeutically effective amount of taurine bromamine [TauBr] (N-bromo taurine) or an effective quantity of taurine bromamine [TauBr]. The therapeutically effective amount of taurine bromamine [TauBr] or the effective quantity of taurine bromamine [TaurBr] has concentrations of 10 – 100% content by weight. The bactericidal composition, according to the invention, contains taurine bromamine [TauBr] being its essential component at concentrations of 10-100% by weight. The taurine bromamine [TauBr] with ~~eetamakregel~~ cetomacrogol emulsion or ~~ethyl-cellulose~~ methyl-cellulose gel or powder or glycerol can be used as a cosmetic or pharmaceutical composition or a medicine in treatment of pathological dermal conditions, especially in treatment of acne. The taurine bromamine [TauBr] can be a ~~solution in an ethyl-cellulose~~ dissolved in a methyl-cellulose or a cream or a powder with pH of 5 – 7.

[0018] The composition, besides the taurine bromamine, can contain talc in amount of 10.0 – 24.0 % by weight, glycerol in amount of 14.0 – 40.0 % by weight, distilled water in amount of 5.0 – 30.0 % by weight and menthol in amount of 0.5 – 2.0 % by weight or 5% methylcellulose solution in amount of 50.0 – 65.0 % by weight or ~~eetamakregel~~ cetomacrogol emulsion in amount of about 15.0 % by weight, liquid paraffin in amount of about 15.0 % by weight, vaseline in amount of about 15.0 % by weight and a mixture of preservative agents.

[0019] The composition, besides the taurine bromamine, can contain a lipophyllic phase – liquid paraffin, acetyl alcohol and an a hydrophyllic phase – propylene glycol-and-estolate.

[0032] The powder suspension in taurine bromamine solution was prepared on a base of liquid powder changing the proportions of the components by weight. The suspension consisted of, by weight: 14.0 – 60.0 % of 10 mM Taurine bromamine solution, 10.0 – 24.0 % of talc, 14.0 – 40.0 % of glycerol, 5.0 – 30.0 % of distilled water and 0.5 – 2.0 % of menthol. The constituents of the suspension were stirred thoroughly until an a homogenous dispersion of the solid phase was obtained.

[0033] The taurine bromamine ~~solution in an ethyl-cellulose~~ dissolved in a methyl-cellulose gel was prepared on a base of methyl-cellulose solution (Methocel 1500 cP) on a sterile phosphate buffer with pH 7.4 by pouring methyl cellulose to approx. one third of the volume of the prepared buffer solution at a temperature of ca. 90°C and mixed so that the powder became completely moistened. The substance prepared in this way was cooled. The remainder of the buffer solution together with the taurine bromamine solution was added, similarly cooled, and was mixed thoroughly then left in a fridge to become clarified.

[0035] The preparations based on a cream and gel base and the powder suspension were applied to the skin of the subjects at the places marked with numbers 1 – 5. Each of the preparations was applied to an area of ca. 4 cm² of

every patient tested in the following way: at site "1" - a 0.4 – 0.8 mM taurine bromamine solution in a ~~ethyl-cellulose~~ methyl-cellulose gel with pH 5 – pH 7 was applied to the skin, at site "2" – a suspension of 3.0 – 4.5 mM taurine bromamine in an ~~ethyl-cellulose~~ a methyl-cellulose gel with pH 5 – pH 7, at site "3" – the preparation of 3.0 – 4.5 mM taurine bromamine solution in a cetomacrogol cream with pH 5 – pH 7 and at site "4" – the powder suspension of 3.0 – 5.0 mM taurine bromamine was applied

Example 1. 100 ml of 3.5 mM modified cream

Cetomakregel <u>Cetomacrogol</u> emulsion	about	15.0
Liquid paraffin	about	10.0
Vaseline (or paraffin jelly)	about	10.0
Benzyl alcohol		1.5
Sodium hydroxybenzoates		0.15
Propyl hydroxybenzoates		0.08
Propylene glycol		5.0
10 mM Taurine bromamine		35.0
Water	ad	100.0

Example 2. 100 ml of 5.0 mM modified cream

Cetomakregel <u>Cetomacrogol</u> emulsion	about	15.0
Liquid paraffin	about	10.0
Vaseline (or paraffin jelly)	about	10.0
Benzyl alcohol		1.5
Sodium hydroxybenzoates		0.15
Propyl hydroxybenzoates		0.08
Propylglucose		5.0
10 mM Taurine bromamine		50.0
Water	ad	100.0